PUBLIC SAFETY PORTFOLIO

Open Data Strategy

2014 - 15

Contents

Introduction

The Queensland Government's Open Data Initiative is focused on making available the basic or 'raw' data that government collects, generates and stores, with the aim of encouraging innovation within community and industry, as well as making the government more transparent and accountable. The Open Data Initiative is part of the Queensland Public Sector Renewal Program and supports government's vision to make real improvements to the way government works and delivers services to the Queensland community.

The Public Safety Portfolio (PSP) is committed to the Open Data Initiative. The PSP is comprised of the Queensland Police Service (QPS), Queensland Fire and Emergency Services (QFES), the Office of the Inspector-General Emergency Management (IGEM), and the Public Safety Business Agency (PSBA).

Open data comes in many different forms. In the PSP, it includes information about the performance of our operational officers, crime statistics, mapping data and much more.

PSP open data will support the following business objectives:

- Deliver professional public safety services to the community;
- Enhance the community's access to the best public safety services;
- Deliver and continue to develop efficient public safety services; and,
- Increase interoperability and eliminate duplication and waste.

PSP data is highly sought after, and used by the public and private industry, media, academia, and all levels of government.

The PSP is committed to making up-to-date data available to the community, as early as possible, whilst also maintaining data quality and confidentiality and meeting legislative and privacy requirements.

Feedback on this strategy is encouraged. Please contact the department via email: PublicSafety.OpenData@police.qld.gov.au.

Purpose

This strategy outlines the PSP's commitment to the Open Data Initiative.

Principle

The strategy is underpinned by the principle that datasets will be made available in a timely manner, unless they are restricted for reasons of privacy, security, commercial confidentiality or compliance with the law.

Objectives

By improving access to quality public safety data, the PSP is seeking to:

- Enhance community safety, resilience and awareness;
- Build community trust; and,
- Foster innovation and collaboration.

Strategies

In line with the Government's Open Data Initiative, the PSP will implement a number of strategies to ensure it meets its objectives:

- Raise awareness throughout the portfolio;
- Embed open data as part of 'business as usual' for PSP;
- Promote datasets that will generate the greatest level of demand from audiences;
- Raise community awareness of the PSP and data available;
- Promote the value created by open data;
- Continuously improve data quality and quantity and,
- Proactively engage with app developers and tertiary institutions to drive innovative uses of PSP datasets.

Data

An assessment has identified there are currently 66 PSP datasets available. Appendix A outlines a complete list of data available, or to be released in the near future.

The data and datasets released on the open data portal will have one or more of the following characteristics:
- Allow new products or services to be developed by users of the data, subject to applicable licensing;
- Of public interest;
- Increase transparency of the PSP and its processes;
- Can be analysed by researchers and non-government organisations;
- Report on customer feedback and experience;
- Promote public engagement; and,
- Machine readability.

Queensland Police Service
Data from the QPS will consist of crime statistics (offences, offenders and victims of crime) and operational policing data, including the approved location of speed cameras.

In addition, a crime statistics web application has already been released, which allows users to locate reported offences at street level. The Application Program Interfaces for this application is available through the open data portal.

Queensland Fire and Emergency Services
Data from QFES will include real-time data with a focus on fire incident data, QFES service locations, bushfire hazard areas, and other statistical data. The aim of sharing this data is to improve community resilience and increase interoperability between the government, private sector and community, specifically in the event of a state-wide emergency or disaster.

Inspector-General Emergency Management
Data from the Office of the IGEM is focused on supporting the Queensland community in disaster management, and includes assessments of disaster management plans and exercises.

Public Safety Business Agency
Data from the PSBA is diverse, ranging from Queensland Government Air services information to mapping data related to bushfire hazards.

All Agencies
All agencies will make data available on:

- Operational emergency services;
- Geographic Information Systems (GIS) mapping;
- Geospatial data for regions, districts, divisions and boundaries;
- Financial and workforce/human resources;
- Grants and service procurement for front line services(Queensland Government Investment Portal);
- Vehicle fleets;
- Volunteers; and,
- Corporate performance.

Implementation

The PSP Open Data Strategy sets out a two year Action Plan, in line with the Queensland Government Open Data Blueprint, to ensure the strategies are implemented, in order to achieve the stated objectives (see Appendix B).

The Action Plan will be led by PSBA, but supported by each agency within the PSP.

Review

This strategy will be reviewed every 12 months to ensure it remains current and accurate.

Governance

An individual (referred to as a Data Custodian) from each PSP agency will be nominated to oversee production and reporting of datasets. Data Custodians will have the following responsibilities:
- Ensure datasets do no breach legislative requirements;
- Ensure datasets are of the highest quality and integrity;
- Regularly review customer feedback to ensure continual dataset improvement; and,
- Maintain ongoing capacity to manage and make datasets accessible.

These Data Custodians will be collectively referred to as the PSP Open Data network.

The network will be managed by PSBA Information and Data Services. Information and Data Services reports to the Chief Information Officer, PSBA.

Information and Data Services will conduct quality assurances before forwarding the datasets to the Chief Information Officer, PSBA, who will provide final approval for the public release of datasets.

An Internal Working Group, which will include PSP Data Custodians, Information and Data Services PSBA and Strategy PSBA, will be established to ensure collaboration across the agencies in meeting the strategic objectives outlined.

Appendix C outlines a governance framework for PSP datasets to be published on the government's open data webpage.

Appendix D outlines a process framework to ensure PSP datasets are suitable for publishing.

Future

The PSP is committed to sharing timely and accurate data with the community, and supports the Open Data Initiative as an opportunity to improve transparency and create innovation.

PSBA will monitor the Open Data email address at PublicSafety.OpenData@police.qld.gov.au for any requests, comments or feedback and will respond accordingly.

Public feedback, legal requirements and operational requirements will guide the PSP for future information availability, quality and timelines.

Closed datasets

Due to the sensitive nature of a portion of data held by the PSP, some datasets will remain indefinitely closed to the public.

However, through the PSP Open Data Working Group, where possible, agency data custodians will identify uses of closed datasets that will have a positive impact on community safety. For example, cross-referencing disaster management and policing closed datasets may offer solutions to public safety concerns.

Appendices

Appendix A: Public Safety Portfolio Datasets

<table>
<tr><th colspan="6">Datasets to be released and release timelines</th></tr>
<tr><th>Dataset name</th><th>Description</th><th>Target date of publishing</th><th>Target file format</th><th>Frequency of update</th><th>Open licence?</th></tr>
<tr><td colspan="6" align="center">Public Safety Business Agency</td></tr>
<tr><td>PSBA-ICT Dashboard</td><td>Information and Communication Technology (ICT) initiatives within PSBA (includes status).</td><td>Published</td><td>CSV</td><td>Quarterly</td><td>Yes</td></tr>
<tr><td>Queensland Government Air Wing flights by Ministers and the Government</td><td>Air Wing travel by Ministers and the Governor.</td><td>Published</td><td>CSV, XLS</td><td>Quarterly</td><td>Yes</td></tr>
<tr><td>Queensland Government Air Wing flights by activity</td><td>Government Air Wing services – report on hours flown by activity.</td><td>Published</td><td>CSV, XLS</td><td>Quarterly</td><td>Yes</td></tr>
<tr><td>Bushfire hazard area – Bushfire prone area – inputs - Queensland</td><td>Dataset includes information and inputs used by the Commonwealth Scientific and Industrial Research Organisation (CSIRO) in conjunction with the Queensland Government.</td><td>Published</td><td>Geotiff, XLSX, PDF</td><td>Irregular</td><td>Yes</td></tr>
<tr><td>Bushfire hazard area – Bushfire prone area - Queensland</td><td>State-wide mapping of the Bushfire Hazard Area (Bushfire Prone Area) developed by the CSIRO and Queensland Government.</td><td>Published</td><td>SHP</td><td>Irregular</td><td>Yes</td></tr>
<tr><td>Consultancy spending</td><td>Consultancy spending undertaken</td><td>Published</td><td>CSV</td><td>Annually</td><td>Yes</td></tr>
<tr><td>Late payments</td><td>Report on late payments made</td><td>Published</td><td>CSV</td><td>Quarterly</td><td>Yes</td></tr>
<tr><td>Overseas travel – Community Safety</td><td>Overseas travel undertaken by officers of the Department of Community Safety</td><td>Published</td><td>CSV</td><td>Annually</td><td>Yes</td></tr>
<tr><td>Queensland Multicultural Action Plan 2011-2014 Core Outcomes – for the former Community Safety</td><td>Report on the historical performance of the Department of Community Safety on the Queensland Multicultural Action Plan 2011 – 2014 Core Outcomes.</td><td>Published</td><td>CSV</td><td>Annually</td><td>Yes</td></tr>
<tr><td>Queensland Regional Household</td><td>Results of the Queensland Regional</td><td>Published</td><td>XLS</td><td>Annually</td><td>Yes</td></tr>
</table>

Datasets to be released and release timelines					
Dataset name	**Description**	**Target date of publishing**	**Target file format**	**Frequency of update**	**Open licence?**
Survey	Household Survey which measures the disaster preparedness of Queensland households				
Queensland Fire and Emergency Services					
Bushfire Hazard Area (Bushfire Prone Area) Mapping Methodology for Queensland	New state-wide mapping methodology developed to identify Bushfire Prone Area in support of bushfire hazard provisions of Queensland's State Planning Policy	Published	PDF	Irregular	Yes
QFES Current Bushfire Incidents	Location of current bushfires incidents being attended by QFES	Published	XML	Every 30 minutes	Yes
Rural Fire Service Boundaries	QFES Rural Fire Brigade Boundaries	Published	Shapefile	Irregular	Yes
QFES Fire Warden Districts	Fire Warden Districts and contact details for fire permit applications	Published	Shapefile	Irregular	Yes
Urban Fire Boundaries	QFES Urban District Boundaries	Published	Shapefile	Annually	Yes
QFES Service Station Locations	Locations of QFES fire stations	Published	Shapefile, XML	Bi-annually	Yes
Building Fire Safety Statistical Data (Community Safety Operations System)	QFES building approvals; building inspections, fire investigations, compliance and prosecution, major infrastructure, unwanted alarms, etc.	Published	XML	Quarterly	Yes
Rural Fire Service Volunteer Numbers & Locations, etc	Non-identifying Volunteer data. Probable fields include: - Volunteer information - Year of birth - Gender - Primary Brigade - Rural Operations Area - Brigade Classification	Published	CSV, XML	Irregular	Yes
QFES Service Incident Types	Types & frequency of incidents responded to by QFES	Published	CSV, XML	Monthly	Yes
QFES Triple Zero (000) Call Summary Data	Types and frequency of incidents responded to by QFES	Published	CSV, XML	Monthly	Yes
QFES Statistical Data (responses)	Time for responses	Published	CSV, XML	Monthly	Yes
Causes of Fires and Other Incidents	Incident Causes/Fire Investigation Unit statistical data	Published	CSV, XML	Monthly	Yes
QFES Human	Current and historical	Published	XML	Annually	No

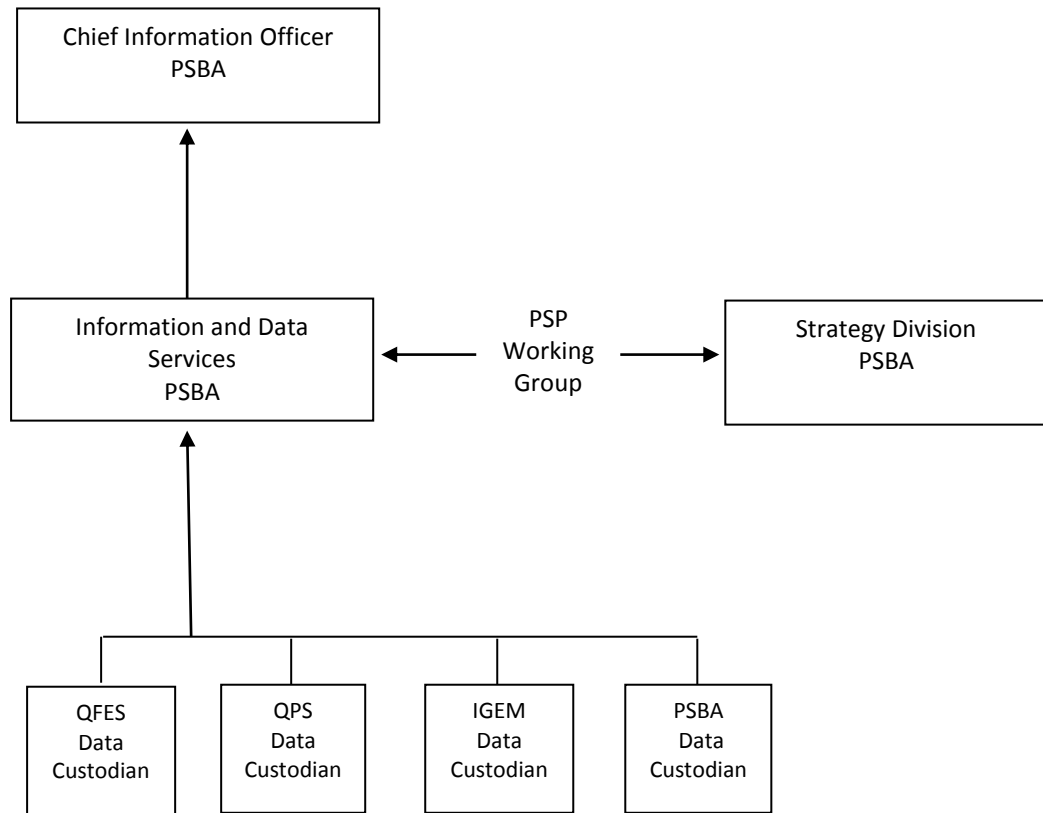| Datasets to be released and release timelines					
Dataset name	**Description**	**Target date of publishing**	**Target file format**	**Frequency of update**	**Open licence?**
Resources Statistics	QFES human resource statistics such as total staffing, i.e. breakdown of fire fighters and volunteers				
State Emergency Services (SES) building locations	SES building locations across Queensland	Published	ZIP	Irregular	Yes
SES requests for help	SES requests for help on the 132 500 line	Published	XML		
QFES ROGS data 2012	QFES report on government service provision data	Published	XLS	Annually	Yes
SES training	Total number of participants that have completed SES training for the financial year	Published	XLS	Annually	Yes
Disaster Management Training	Total number of participants that have completed disaster management training for the 2012/13 financial year	Published	XLS	Annually	Yes
SES boundaries	Details of where each SES group sits within the EMQ and local government structure	Published	XLS	Irregular	Yes
Queensland Police Service					
Number of Reported Offences	Reported offences in Queensland	Published	CSV	Monthly	Yes
Number of Reported Offences per 100,000 persons	The rate per 100,000 persons of reported offences in Queensland	Published	CSV	Monthly	Yes
Victims of Crime	The number of crime victims by age and sex in Queensland	Published	CSV	Monthly	Yes
Offenders	The number of offenders by Indigenous status in Queensland	Published	CSV	Monthly	Yes
Assault police	Reported victims of assaults on police in Queensland	Published	CSV	Monthly	Yes
Assault police per 1,000 officers	Reported victims of assaults in police per 1,000 officers in Queensland	Published	CSV	Monthly	Yes
Number of missing persons	Number of reported missing persons by age and sex	Published	CSV	Monthly	Yes
Number of located missing persons	Number of located missing persons in Queensland	Published	CSV	Monthly	Yes
Red light camera offences	Number of red light camera offences in Queensland	Published	CSV	Monthly	Yes

Datasets to be released and release timelines					
Dataset name	Description	Target date of publishing	Target file format	Frequency of update	Open licence?
Red light camera offences per 100,000 vehicles monitored	Number of red light camera offences per 100,000 vehicles monitored in Queensland	Published	CSV	Monthly	Yes
Mobile Speed Camera offences	Number of mobile speed camera offences per 100,000 vehicles monitored	Published	CSV	Monthly	Yes
Mobile speed camera offences per 100,000 vehicles monitored	Number of mobile speed camera offences per 100,000 vehicles monitored in Queensland	Published	CSV	Monthly	Yes
Approved locations for Overt and Covert Speed Cameras	The approved locations for Overt and Covert Speed Cameras across Queensland	Published	CSV	As required when updated	Yes
Office of the Inspector-General Emergency Management					
Queensland Community Preparedness Survey – November 2013	Output tables of the second Queensland Community Preparedness Survey (QCPS) to determine/measure levels of community preparedness at the beginning of the 2013-14 storm and cyclone season.	November 2014	Microsoft Excel	One off	Yes
Queensland Community Preparedness Survey – May 2013	Output tables of the first Queensland Community Preparedness Survey, a standalone questionnaire specifically designed to meet the data requirements of the Queensland Disaster Management Sector.	November 2014	Microsoft Excel	One off	Yes

Appendix B: Public Safety Portfolio Open Data Action Plan

No.	Action	Timeframe	Unit Responsible
1	**Raise awareness throughout the portfolio**		
	Data Custodians to be nominated within each agency	September 2014	Information and Data Services
	Establish PSP Open Data Working Group	September 2014	Information and Data Services Strategy Division
	Whole-of-portfolio agreement and support on PSP Open Data Strategy	Open Data Strategy signed off across portfolio by 30 September 2014	Strategy Division
	Open Data Strategy uploaded onto Queensland Government Open Data Webpage	October 2014	Information and Data Services
	Strategy to be promoted throughout PSP to raise staff awareness (e.g. PSBA Pulse, Police Bulletin, messages from Senior Management, etc.)	October 2014	Information and Data Services Strategy Division
2	**Embed open data as part of 'business as usual' for Public Safety Portfolio**		
	PSBA Information and Data Services to contact each Agency and ensure all data be made available with emphasis placed on proactive disclosure of data	September 2014	Information and Data Services
	PSP to employ performance measures to ensure quality standards and to meet increase in data availability across portfolio	October 2014	Information and Data Services
	PSBA Information and Data Services to consistently increase the number of datasets available on the Open Data website	Every six months, beginning January 2014	Information and Data Services
	PSP Open Data Working Group to internally identify effective uses of closed datasets.	Ongoing	Data Custodians PSP Open Data Working Group
3	**Promote datasets that will generate the greatest level of demand from audiences**		
	PSBA to work with agencies to publish and promote datasets that will encourage research and innovation in the use of PSP open data sets	November 2014	Information and Data Services via Data Custodians and Strategy
	PSP Working Group to determine and report through engagement with internal and external sources which industries would benefit most from PSP data	December 2014	PSP Open Data Working Group
	Identify strategies to unlock the benefits of open data for the community in the following areas: - disaster management - emergency management - community resilience - crime data	December 2014	Strategy Division
4	**Raise community awareness of the PSP and data available**		
	PSBA media unit to regularly promote PSP datasets to the public through various channels (e.g. social media, media outlets)	For any event/time where use of data might be advantageous (e.g. emergency services data available in storm season, etc).	PSBA Media
	Research and develop potential ideas to commission development of suitable apps to	Ongoing	PSP Open Data Working Group

No.	Action	Timeframe	Unit Responsible
	benefit the community		Contracted external App Developers
5	**Promote the value created by open data**		
	Develop case studies for each agency to showcase innovative uses, and the value, of open data.	Every six months	Strategy Division Innovation
6	**Continuously improve**		
	Analyse and report on feedback received on datasets of interest from the public	Every six months	PSBA Data Custodian
	Conduct '*lessons learned*' exercise to inform future actions	Every six months	PSP Open Data Working Group
	Review and revisit Action Plan	Every 12 months	Information and Data Services Strategy Division
7	**Proactively engage with app developers and tertiary institutions**		
	Engage with app developers and tertiary institutions where appropriate to continue to drive innovative uses of PSP datasets.	Ongoing	Strategy Division

Appendix C: Public Safety Portfolio Open Data Governance Framework

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Data Custodian QFES, QPS, IGEM and PSBA: identify potential datasets within respective agencies, ensure suitability of data, oversee cleansing of datasets, submit datasets to Information and Data Services, analyse and report on feedback received by public on PSP datasets via Open Data portal.

Information and Data Services PSBA: liaise with agency Data Custodians, participate in PSP Working Group, ensure suitability of datasets submitted, submit datasets for approval of CIO PSBA, upload and maintain PSP agency data on data.qld.gov.au, abide by performance measures set, and consistently increase the number of datasets available.

Strategy Division PSBA: Participate in PSP Working Group, PSP Open Data Strategy, develop open data performance measures, identify strategies to unlock benefits of PSP open data, and promote value created by open data.

Chief Information Officer PSBA: Final approval of datasets to be published, provide advice to the PSP Working Group where relevant.

Appendix D: Public Safety Portfolio Open Data Process Framework